



120 Valley Court  
Oak Ridge, TN 37830  
Ph: 865-482-5717  
FAX: 865-482-1281  
zypcoatings.com

## BN Lubricoat® ZA Paste

### A Highly-Loaded, Boron Nitride Paste that Forms a Tough, Abrasion-Resistant BN Layer on Many Substrates

BN Lubricoat ZA Paste has been developed as a high-viscosity, highly-BN-loaded water-based paste that can be applied as-is or (most often) can be diluted to coat all substrates that are compatible with pH-Acidic (like lemon juice) conditions. The "ZA" paste is usable to 1000 C in air and generally forms a tough, relatively abrasion-resistant, well-bonded surface.

#### Key Attributes

- Totally Non-Wetted by Molten Aluminum, Magnesium, Zinc and Their Drosses
- Protects Ceramics, Metals and Graphite
- Can Be Used "as-is" or Diluted as Desired with Water
- Safe, Water-Based, No VOC's

#### Ideal Use

- Protection from Molten Metal in Erosion Areas
- Filling Gaps/Holes
- Molten Metal Pumps (such as Electromagnetic Pumps) - Coating Ceramic Housings, Gaskets, etc.

#### Use Notes

1. Dilute if desired with water.
2. Clean surfaces to be painted of any oils dirt, scale, etc.
3. Apply by trowel or brush. If more than one layer is applied, dry thoroughly after prior layer(s).
4. After thoroughly drying (generally dry-to-the-touch), the coated part is ready to be placed into a furnace and used at high-temperature - i.e., no special curing is needed.

#### Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For Industrial Use only.



#### Specifications

Active Ingredient	BN
Max Use Temperature	Air 1832 F / 1000 C Vac 2552 F / 1400 Inert 3272 F / 1800
Use Atmosphere	All
Fired Composition	>80% BN
Liquid Carrier	Water
Binder Phase	Aluminum Phosphate
Active Ingredient Level	Fully Loaded
Brookfield Viscosity (cps)	8000 @4/60
Specific Gravity	1.41
Color	White
Shelf Life (months)	>12
Coverage (ft <sup>2</sup> /gal)	100 to 400
Coating pH	2
H F R Ratings	1-0-0
Substrate Use	All

#### Sizes and colors

BN Lubricoat ZA Paste is white colored.

Standard Size: wide-mouth 1 gallon pail.

#### CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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